

Environmental Protection Agency

Pt. 63, Subpt. MMMM, Table 2

For the following device . . .	You must meet the following operating limit . . .	And you must demonstrate continuous compliance with the operating limit by . . .
7. Emission capture system that is not a PTE according to § 63.3965(a).	<p>b. The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minutes; or</p> <p>c. The pressure drop across the enclosure must be at least 0.007 inch H<sub>2</sub>O, as established in Method 204 of appendix M to 40 CFR part 51.</p> <p>a. The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to § 63.3967(f).</p>	<p>i. See items 6.a.i and 6.a.ii.</p> <p>i. See items 6.a.i and 6.a.ii.</p> <p>i. Collecting the gas volumetric flow rate or duct static pressure for each capture device according to § 63.3968(g);</p> <p>ii. Reducing the data to 3-hour block averages; and</p> <p>iii. Maintaining the 3-hour average gas volumetric flow rate or duct static pressure for each capture device at or above the gas volumetric flow rate or duct static pressure limited.</p>

TABLE 2 TO SUBPART MMMM OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART MMMM OF PART 63

You must comply with the applicable General Provisions requirements according to the following table:

Citation	Subject	Applicable to subpart MMMM	Explanation
§ 63.1(a)(1)–(14) .....	General Applicability .....	Yes.	Applicability to subpart MMMM is also specified in § 63.3881.
§ 63.1(b)(1)–(3) .....	Initial Applicability Determination	Yes .....	
§ 63.1(c)(1) .....	Applicability After Standard Established.	Yes.	Area sources are not subject to subpart MMMM.
§ 63.1(c)(2)–(3) .....	Applicability of Permit Program for Area Sources.	No .....	
§ 63.1(c)(4)–(5) .....	Extensions and Notifications .....	Yes.	
§ 63.1(e) .....	Applicability of Permit Program Before Relevant Standard is Set.	Yes.	
§ 63.2 .....	Definitions .....	Yes .....	Additional definitions are specified in § 63.3981.
§ 63.1(a)–(c) .....	Units and Abbreviations .....	Yes.	
§ 63.4(a)(1)–(5) .....	Prohibited Activities .....	Yes.	Section 63.3883 specifies the compliance dates.
§ 63.4(b)–(c) .....	Circumvention/Severability .....	Yes.	
§ 63.5(a) .....	Construction/Reconstruction .....	Yes.	
§ 63.5(b)(1)–(6) .....	Requirements for Existing Newly Constructed, and Reconstructed Sources.	Yes.	
§ 63.5(d) .....	Application for Approval of Construction/Reconstruction.	Yes.	
§ 63.5(e) .....	Approval of Construction/Reconstruction.	Yes.	Section 63.3883 specifies the compliance dates.
§ 63.5(f) .....	Approval of Construction/Reconstruction Based on Prior State Review.	Yes.	
§ 63.6(a) .....	Compliance With Standards and Maintenance Requirements—Applicability.	Yes.	Only sources using an add-on control device to comply with the standard must complete startup, shutdown, and malfunction plans.
§ 63.6(b)(1)–(7) .....	Compliance Dates for New and Reconstructed Sources.	Yes .....	
§ 63.6(c)(1)–(5) .....	Compliance Dates for Existing Sources.	Yes .....	Applies only to sources using an add-on control device to comply with the standard.
§ 63.6(e)(1)–(2) .....	Operation and Maintenance .....	Yes.	
§ 63.6(e)(3) .....	Startup, Shutdown, and Malfunction Plan.	Yes .....	Applies only to sources using an add-on control device to comply with the standard.
§ 63.6(f)(1) .....	Compliance Except During Startup, Shutdown, and Malfunction.	Yes .....	
§ 63.6(f)(2)–(3) .....	Methods for Determining Compliance..	Yes.	
§ 63.6(g)(1)–(3) .....	Use of an Alternative Standard ..	Yes.	

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§ 63.6(h) .....	Compliance With Opacity/Visible Emission Standards.	No .....	Subpart MMMM does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§ 63.6(i)(1)–(16) .....	Extension of Compliance .....	Yes.	
§ 63.6(j) .....	Presidential Compliance Exemption.	Yes.	
§ 63.7(a)(1) .....	Performance Test Requirements—Applicability.	Yes .....	Applies to all affected sources. Additional requirements for performance testing are specified in §§ 63.3964, 63.3965, and 63.3966.
§ 63.7(a)(2) .....	Performance Test Requirements—Dates.	Yes .....	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard. Section 63.3960 specifies the schedule for performance test requirements that are earlier than those specified in § 63.7(a)(2).
§ 63.7(a)(3) .....	Performance Tests Required By the Administrator.	Yes.	
§ 63.7(b)–(e) .....	Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test.	Yes .....	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§ 63.7(f) .....	Performance Test Requirements—Use of Alternative Test Method.	Yes .....	Applies to all test methods except those used to determine capture system efficiency.
§ 63.7(g)–(h) .....	Performance Test Requirements—Data Analysis, Recordkeeping, Reporting, Waiver of Test.	Yes .....	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§ 63.8(a)(1)–(3) .....	Monitoring Requirements—Applicability.	Yes .....	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for monitoring are specified in § 63.3968.
§ 63.8(a)(4) .....	Additional Monitoring Requirements.	No .....	Subpart MMMM does not have monitoring requirements for flares.
§ 63.8(b) .....	Conduct of Monitoring .....	Yes.	
§ 63.8(c)(1)–(3) .....	Continuous Monitoring Systems (CMS) Operation and Maintenance.	Yes .....	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for CMS operations and maintenance are specified in § 63.3968.
§ 63.8(c)(4) .....	CMS .....	No .....	§ 63.3968 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(5) .....	COMS .....	No .....	Subpart MMMM does not have opacity or visible emission standards.
§ 63.8(c)(6) .....	CMS Requirements .....	No .....	Section 63.3968 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(7) .....	CMS Out-of-Control Periods .....	Yes.	

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Citation	Subject	Applicable to subpart MMMM	Explanation
§ 63.8(c)(8) .....	CMS Out-of-Control Periods and Reporting.	No .....	§ 63.3920 requires reporting of CMS out-of-control periods. Subpart MMMM does not require the use of continuous emissions monitoring systems.
§ 63.8(d)–(e) .....	Quality Control Program and CMS Performance Evaluation.	No .....	
§ 63.8(f)(1)–(5) .....	Use of an Alternative Monitoring Method.	Yes.	
§ 63.8(f)(6) .....	Alternative to Relative Accuracy Test.	No .....	Subpart MMMM does not require the use of continuous emissions monitoring systems. Sections 63.3967 and 63.3968 specify monitoring data reduction.
§ 63.8(g)(1)–(5) .....	Data Reduction .....	No .....	
§ 63.9(a)–(d) .....	Notification Requirements .....	Yes.	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standard.
§ 63.9(e) .....	Notification of Performance Test	Yes .....	
§ 63.9(f) .....	Notification of Visible Emissions/Opacity Test.	No .....	
§ 63.9(g)(1)–(3) .....	Additional Notifications When Using CMS.	No .....	Subpart MMMM does not require the use of continuous emissions monitoring systems. Section 63.3910 specifies the dates for submitting the notification of compliance status.
§ 63.9(h) .....	Notification of Compliance Status.	Yes .....	
§ 63.9(i) .....	Adjustment of Submittal Deadlines.	Yes.	
§ 63.9(j) .....	Change in Previous Information	Yes.	Additional requirements are specified in §§ 63.3930 and 63.3931.
§ 63.10(a) .....	Recordkeeping/Reporting—Applicability and General Information.	Yes.	
§ 63.10(b)(1) .....	General Recordkeeping Requirements.	Yes .....	
§ 63.10(b)(2) (i)–(v) .....	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS.	Yes .....	Requirements for startup, shutdown, and malfunction records only apply to add-on control devices used to comply with the standard.
§ 63.10(b)(2) (vi)–(xi) .....	.....	Yes.	
§ 63.10(b)(2) (xii) .....	Records .....	Yes.	
§ 63.10(b)(2) (xiii) .....	.....	No .....	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§ 63.10(b)(2) (xiv) .....	.....	Yes.	
§ 63.10(b)(3) .....	Recordkeeping Requirements for Applicability Determinations.	Yes.	
§ 63.10(c) (1)–(6) .....	Additional Recordkeeping Requirements for Sources with CMS.	Yes.	The same records are required in § 63.3920(a)(7).
§ 63.10(c) (7)–(8) .....	.....	No .....	
§ 63.10(c) (9)–(15) .....	.....	Yes.	
§ 63.10(d)(1) .....	General Reporting Requirements.	Yes .....	Additional requirements are specified in § 63.3920. Additional requirements are specified in § 63.3920(b).
§ 63.10(d)(2) .....	Report of Performance Test Results.	Yes .....	
§ 63.10(d)(3) .....	Reporting Opacity or Visible Emissions Observations.	No .....	
§ 63.10(d)(4) .....	Progress Reports for Sources With Compliance Extensions.	Yes.	Subpart MMMM does not require opacity or visible emissions observations.
§ 63.10(d)(5) .....	Startup, Shutdown, and Malfunction Reports.	Yes .....	
§ 63.10(e) (1)–(2) .....	Additional CMS Reports .....	No .....	

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Citation	Subject	Applicable to subpart MMMM	Explanation
§ 63.10(e) (3) .....	Excess Emissions/CMS Performance Reports.	No .....	Section 63.3920 (b) specifies the contents of periodic compliance reports.
§ 63.10(e) (4) .....	COMS Data Reports .....	No .....	
§ 63.10(f) .....	Recordkeeping/Reporting Waiver.	Yes.	Subpart MMMM does not specify requirements for opacity or COMS.
§ 63.11 .....	Control Device Requirements/Flares.	No .....	
§ 63.12 .....	State Authority and Delegations	Yes.	
§ 63.13 .....	Addresses .....	Yes.	
§ 63.14 .....	Incorporation by Reference .....	Yes.	
§ 63.15 .....	Availability of Information/Confidentiality.	Yes.	Subpart MMMM does not specify use of flares for compliance.

TABLE 3 TO SUBPART MMMM OF PART 63—DEFAULT ORGANIC HAP MASS FRACTION FOR SOLVENTS AND SOLVENT BLENDS

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data and which match either the solvent blend name or the chemical abstract series (CAS) number. If a solvent blend matches both the name and CAS number for an entry, that entry's organic HAP mass fraction must be used for that solvent blend. Otherwise, use the organic HAP mass fraction for the entry matching either the solvent blend name or CAS number, or use the organic HAP mass fraction from table 4 to this subpart if neither the name or CAS number match.

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical organic HAP, percent by mass
1. Toluene .....	108–88–3	1.0	Toluene.
2. Xylene(s) .....	1330–20–7	1.0	Xylenes, ethylbenzene.
3. Hexane .....	110–54–3	0.5	n-hexane.
4. n-Hexane .....	110–54–3	1.0	n-hexane.
5. Ethylbenzene .....	100–41–4	1.0	Ethylbenzene.
6. Aliphatic 140 .....	.....	0	None.
7. Aromatic 100 .....	.....	0.02	1% xylene, 1% cumene.
8. Aromatic 150 .....	.....	0.09	Naphthalene.
9. Aromatic naphtha .....	64742–95–6	0.02	1% xylene, 1% cumene.
10. Aromatic solvent .....	64742–94–5	0.1	Naphthalene.
11. Exempt mineral spirits .....	8032–32–4	0	None.
12. Ligroines (VM & P) .....	8032–32–4	0	None.
13. Lactol spirits .....	64742–89–6	0.15	Toluene.
14. Low aromatic white spirit .....	64742–82–1	0	None.
15. Mineral spirits .....	64742–88–7	0.01	Xylenes.
16. Hydrotreated naphtha .....	64742–48–9	0	None.
17. Hydrotreated light distillate .....	64742–47–8	0.001	Toluene.
18. Stoddard solvent .....	8052–41–3	0.01	Xylenes.
19. Super high-flash naphtha .....	64742–95–6	0.05	Xylenes.
20. Varsol® solvent .....	8052–49–3	0.01	0.5% xylenes, 0.5% ethylbenzene.
21. VM & P naphtha .....	64742–89–8	0.06	3% toluene, 3% xylene.
22. Petroleum distillate mixture .....	68477–31–6	0.08	4% naphthalene, 4% biphenyl.

TABLE 4 TO SUBPART MMMM OF PART 63—DEFAULT ORGANIC HAP MASS FRACTION FOR PETROLEUM SOLVENT GROUPS <sup>A</sup>

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data.

Solvent type	Average organic HAP mass fraction	Typical organic HAP, percent by mass
Aliphatic <sup>b</sup>	0.03	1% Xylene, 1% Toluene, and 1% Ethylbenzene.